41st Annual Targets, UAVs & Range Operations Symposium & Exhibition

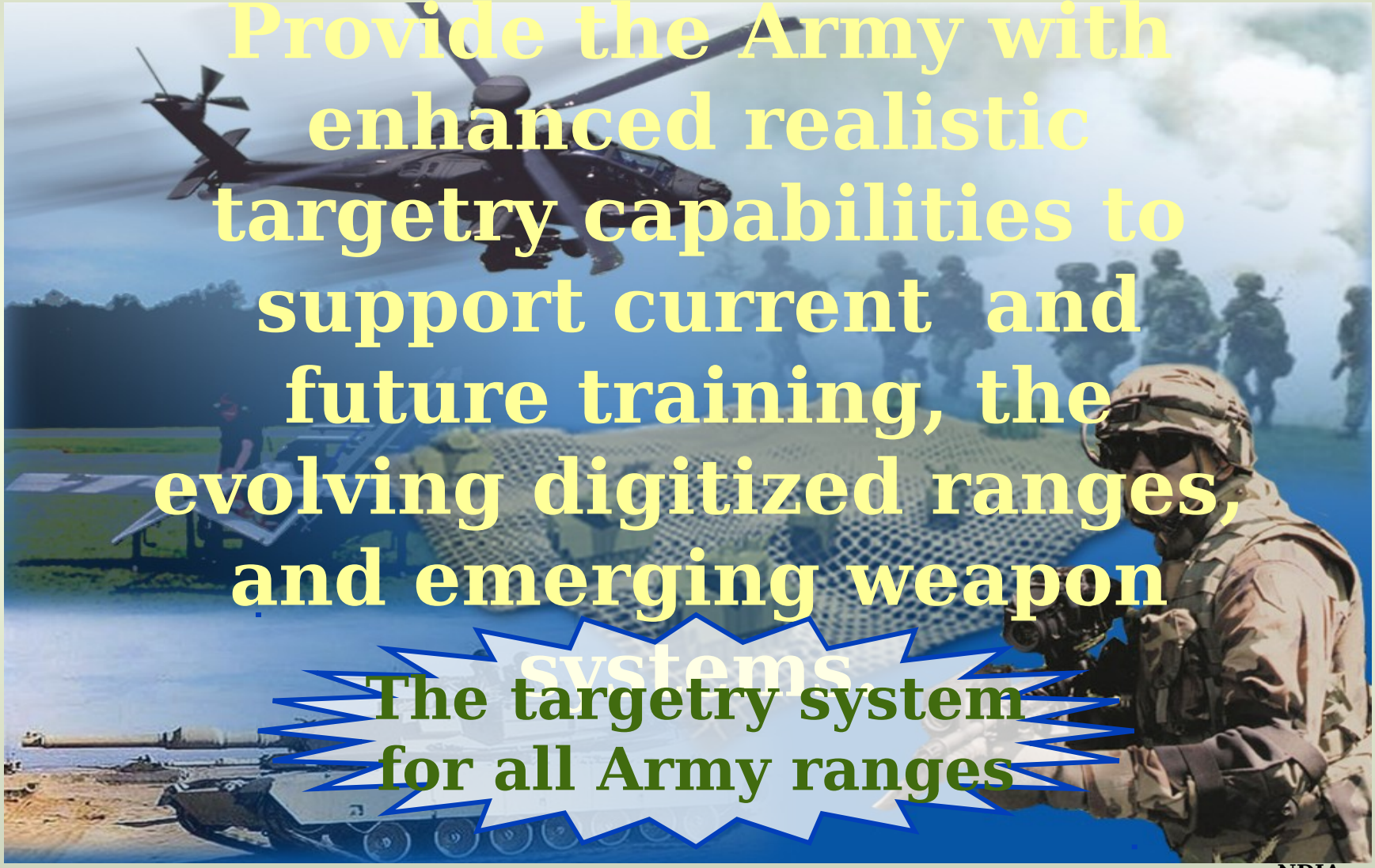
Steve Wright
Project Director: NGATS
(256)842-9490 (DSN: 788)
steve.wright@peostri.army.mil

November 17-19, 2003
Event #4410
Palm Springs Convention Center
“Contributions to Transformation”

Outline

- NGATS Mission
- Organizational Structure
- Targetry Path/Challenges
- What is NGATS
- Acquisition Strategy
- Schedule
- Summary

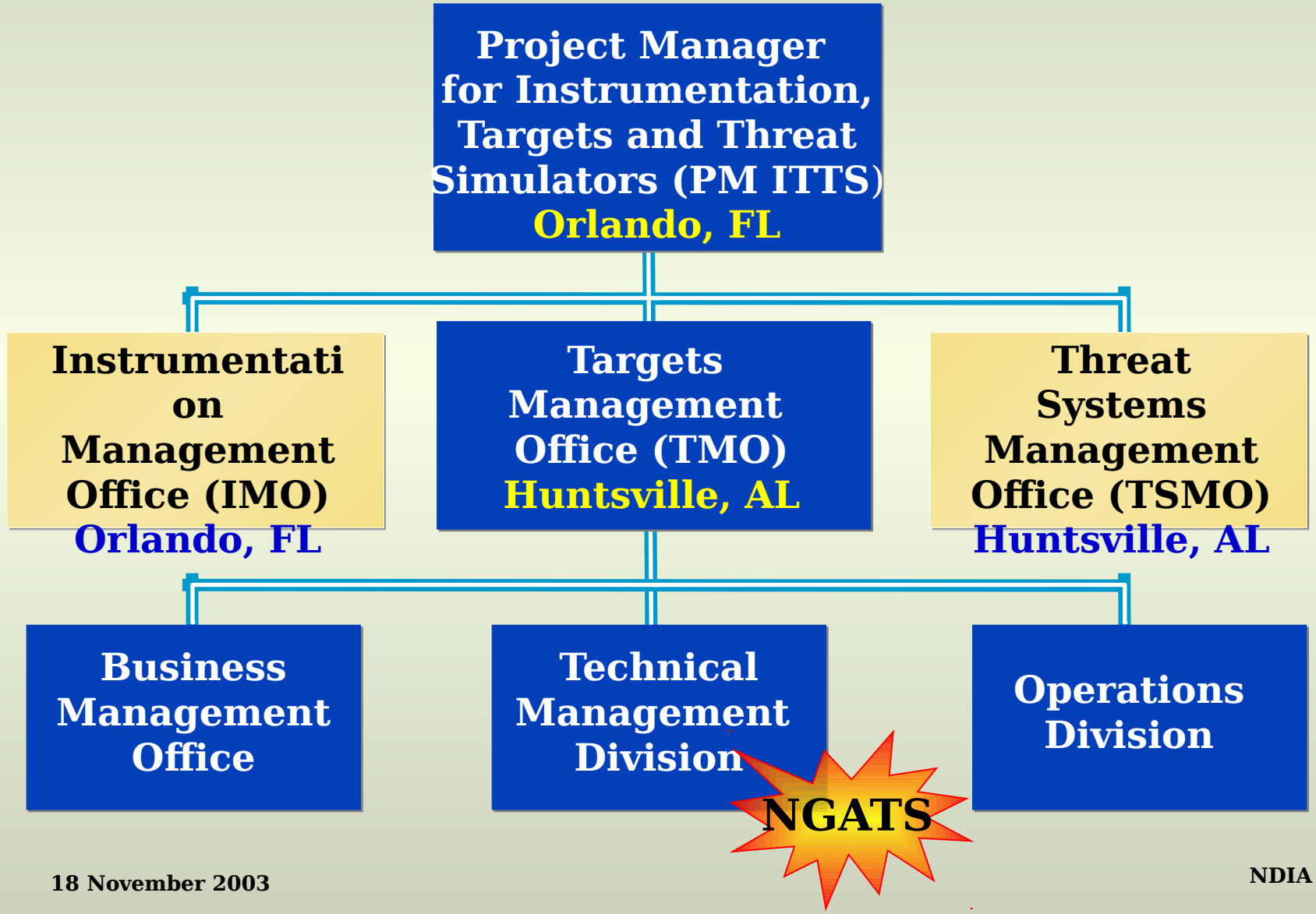
NGATS Mission



Provide the Army with enhanced realistic targetry capabilities to support current and future training, the evolving digitized ranges, and emerging weapon systems.

The targetry system for all Army ranges

PM ITTS
Who We Are


Project Manager for Instrumentation, Targets and Threat Simulators (PM ITTS) Orlando, FL
Instrumentation Management Office (IMO) Orlando, FL
Targets Management Office (TMO) Huntsville, AL
Threat Systems Management Office (TSMO) Huntsville, AL
Business Management Office
Technical Management Division
Operations Division
NGATS

NGATS Key Players

PEO STRI
BG Stephen M. Seay

PM ITTS
COL Stephen L. Rust

Targets Management Office
Mr. Stephen G. Milburn

Army Training Support Center (ATSC)

Army Training Modernization Department

Range Reps

MACOMS

OTHERS

Industry Input

U. S. Army Corps of Engineers (CoE)

NGATS Project Director Mr. Steve Wright

Department of the Army DAMO-TR

Targetry Path

1985/ 1998

RETS/ERETS

- **Managed by TACOM Rock Island**
- **Development program with complete TDP**
- **Supply system - Army inventory**
- **Enhanced - control system upgrade**

1999/ 2005

INGATS/ATS

- **Managed by TACOM Rock Island**
- **Commercial off the the shelf systems (COTS)**
- **Proprietary hardware/control system software**
- **Parts ordered through TACOM or Manufacturer**

2006/ 2050?

NGATS

- **Managed by PEO STRI, PM ITTS, TMO**
- **Standardized System of Systems (Plug &**

Existing Targetry Challenges

Supportability

- Reliability
- Availability
- Lifecycle Costs
- Parts Support

Standardization

- Multiple operating systems
- Interoperability
- Interfaces

Performance

- Realistic Scoring
- Signatures

What is NGATS?

Command & Control
- Point & Click
- Scripted/Event Scenarios
- Maintenance Automation
- Health & Status Monitors
- Data logging/Display
- CTIA Co[illegible]

Target Presentation
- Stationary
- Moving
- Evasive
- Up/Down
- Other

Target Representation
- Multi-spectral
- Realistic, Multi-role
- 2D, 2 1/2D, 3D

BES
- Flash
- Bang
- Smoke
- Shoot-back

Communications
- Fiber Optics
- Wire
- RF
- Other

Scoring
- Hit/Miss Location
- Kill Assessment
- Round ID
- Other

Support Package
- Initial Spares
- NET
- Sustainment Training
- Spares

External Interfaces
- Instrumentation

Acquisition Strategy

- Evolutionary
  - Spiral development based on refined requirements and user feedback
  - Blocked approach based on continuous requirements definition and technology maturation

Block I - Meets current challenges at a reduced cost by establishing standards and leveraging existing COTS solutions

Block II and later - Based on future requirements, technology advancements, or training

- Utilize Prime Contractor- Lead Systems Integrator (LSI) to:
  - Supply and integrate range targetry - using qualified products
  - Field ranges
  - Provide New Equipment Training (NET)
  - Provide warranty coverage
  - Provide spare parts
  - Provide technical support

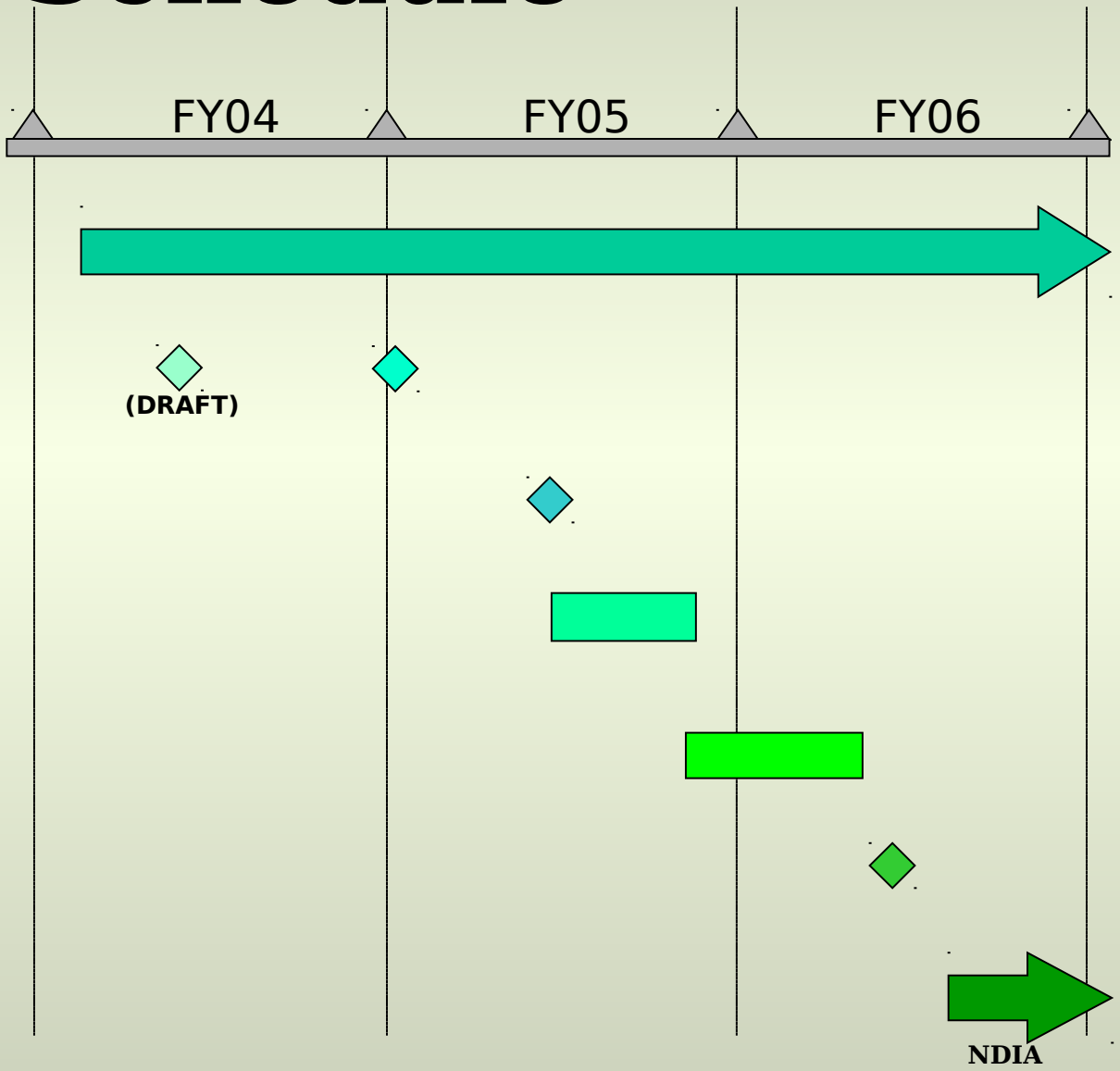
Program Goals

- **Introduce performance standards and interfaces**
- **Work towards hardware standardization**
- **Lower lifecycle cost of training targetry and increase training range availability**
- **Maintain wide industrial base**
- **Work towards joint use**

NGATS Block 1 Schedule

Activities

- Qualification Process
- RFP Release
- Block 1 Contract Award
- Design / Integrate
- Testing @ Ft Pickett
- IOC @ Ft Pickett
- Fielding



18 November 2003

Summary

Army has targetry challenges

NGATS provides effective soldier training systems that are:

- Standardized, Supportable, Interoperable
- Reliable, Available, Maintainable
- Realistic and Affordable

NGATS significantly improves range operations:

- Reduced downtime
- Efficient scoring and training feedback
- Greater flexibility in range use and targetry asset management
- Reduced maintenance and operating cost